

20030424.qrp v02_n900.qrl.20030424

Date: Thu, 24 Apr 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2900

QRP-L Digest 2900

Topics covered in this issue include:

- 1) [149483] Fw: Balanced line question
by "KXBill" <w7kxb@cox.net>
- 2) [149484] SOLD = ClearSpeech Speaker
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 3) [149485] Re: Dayton
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 4) [149486] Re: Dayton
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 5) [149487] Re: Dayton
by "Dave Benson" <nn1g@earthlink.net>
- 6) [149488] Preliminary 'DSWMULTI' project hardware interface schematic is up...
by "Bill, N4QA" <n4qa@hotmail.com>
- 7) [149489] Re: QRP Stuff for Sale
by "WQ8Q" <wq8q@earthlink.net>
- 8) [149490] Re: Dayton
by "Bill Phillips" <bill1048@direcway.com>
- 9) [149491] NEQRP CW Net, Thursday, 24 Apr 03, 08:30 PM EDT, 3.568 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 10) [149492] NJQRP Mtg/QTTF this Saturday
by "Joe Everhart" <n2cx@voicenet.com>
- 11) [149493] Re: Dayton
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 12) [149494] cinch-jones connector
by "john gabbard" <johngabbard@usintouch.com>
- 13) [149495] PSK Emergency Beacon with GPS interface
by KC8WBK <cruisenewsnet@yahoo.com>
- 14) [149496] White Mountain Weight
by Kenneth Hoglund <hoglund@wfu.edu>
- 15) [149497] K2 DSP
by "Dave Martin" <k2zu@seanet.com>
- 16) [149498] RE: 75 ohm balanced line, any interest in that ?
by "Ron McConnell" <rcmcc@earthlink.net>
- 17) [149499] Where to Get Small Coaxial Power Cables like FT-817?
by Brian Short <bshort4@cox.net>
- 18) [149500] Iowa QRP Club Cw Net
by mark.milburn@juno.com
- 19) [149501] Re: PSK Emergency Beacon with GPS interface

by "Dave Ek" <ekdave@earthlink.net>
20) [149502] Re: Why a Tuner?
by Alex <kr1st@amsat.org>
21) [149503] Re: PSK Emergency Beacon with GPS interface
by "Charles Mabbott" <aa8vs@msn.com>
22) [149504] Re: K2 DSP
by Ed Lawson <k1vp@grizzly.com>
23) [149505] FS: ATX Walkabout 6-80 m NEW!!
by "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
24) [149506] Re: K2 DSP
by Steve.Lawrence@ITWFEG.COM
25) [149507] RE: Why a Tuner?
by "AI2Q" <ai2q@adelphia.net>
26) [149508] Re: Why a Tuner?
by Jerry Lofstead <w3cde@bellsouth.net>
27) [149509] Why a Tuner? -- Think simple
by "Charles Mabbott" <aa8vs@msn.com>
28) [149510] Re: High Voltage Warning
by John Seboldt <k0jd-1@seboldt.net>
29) [149511] Re: Why a Tuner?
by Dave Hottell <hottell@gulftel.com>
30) [149512] Re: Where to Get Small Coaxial Power Cables like FT-817?
by "Mike Yetsko" <myetsko@insydesw.com>
31) [149513] Re: Why a Tuner?
by "Mike Yetsko" <myetsko@insydesw.com>
32) [149514] Yaesu FT7
by "john gabbard" <johngabbard@usintouch.com>
33) [149515] Re: Why a Tuner?
by Jerry Lofstead <w3cde@bellsouth.net>
34) [149516] QRPTTF 2003 Plans K4JSI
by "cal.jsi" <cal.jsi@verizon.net>
35) [149517] RE: 75 ohm balanced line, any interest in that ?
by Steven Weber <kd1jv@moose.ncia.net>
36) [149518] RE: 75 ohm balanced line, any interest in that ?
by Steve.Lawrence@ITWFEG.COM
37) [149519] Re: Why a Tuner?
by "Karl F. Larsen" <k5di@zianet.com>
38) [149520] [CONTEST] N2CQ QRP Contest Calendar April 24-30
by "Ken Newman" <N2CQ@Dandy.Net>
39) [149521] modeling a slinky?
by David Hinerman <WD8CIV@worldnet.att.net>
40) [149522] 100K 10 Turn Pots
by KD5NWA <KD5NWA@cbayona.com>
41) [149523] Re: Why a Tuner?
by Bill ROWLETT <kc4atu@yahoo.com>
42) [149524] Re: Why a Tuner?
by "Paul Mills" <quahog@localnet.com>
43) [149525] Re: Why a Tuner?

by "Mike Branca" <w3irz@att.net>
44) [149526] RE: Why a Tuner?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
45) [149527] Re: More QRPTTF Plans
by "Doc - W5TB" <w5tb@arrl.net>
46) [149528] Get on the Air 4/25
by Kenneth Hoglund <hoglund@wfu.edu>
47) [149529] Re: Why a Tuner?
by "Ian Wilson" <ianmwilson@earthlink.net>

Date: Wed, 23 Apr 2003 14:54:35 -0700
From: "KXBill" <w7kxb@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149483] Fw: Balanced line question
Message-ID: <00ff01c309e2\$edcb7a20\$25ac6d44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "George Franklin" <w0av@juno.com>
To: <w7kxb@cox.net>
Sent: Wednesday, April 23, 2003 14:05
Subject: Re: Balanced line question

Hi Bill,

Yep, we had lots of fun in the old days, even without much (or any)
money
to spend on ham radio.

I forgot to mention tuners. Who needed a tuner?

We used linke coupling to the final tank and would enough turns to "suck
all the soup out of the tank."

72/73 de George/W0AV

Date: Wed, 23 Apr 2003 17:51:0 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>

To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Ten-Tec Relector" <tentec@contesting.com>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [149484] SOLD = ClearSpeech Speaker
Message-ID: <412003432322510621@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Friends:

The Am-Com ClearSpeech Speaker has been spoken for. Thanks to everyone who inquired about it.

73,
--Doc/K0EVZ

Date: Wed, 23 Apr 2003 19:14:53 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Dick" <Dick@trickie.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149485] Re: Dayton
Message-ID: <007301c309ee\$25d09940\$2e2c2041@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know about the others, but I believe Dave , small wonders labs.)
has already mentioned that he won't be there due to the fact that he has a
30 day backlog of orders and "people do get impatient" FWIF

carl / kz5ca

----- Original Message -----

From: "Dick" <G0BPS@clara.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 23, 2003 5:37 PM
Subject: Re: Dayton

> Hi Guys

>
> The guys from the G-QRP Club will be there
> with a selection of goodies including:
>
> The new book "History of QRP 1949 - 2003"
> Also "Introducing QRP" and a few morse keys too!
>
> CU there
>
> Dick Pascoe G0BPS
> Vice President QRP-ARCI.
> SSB & Data manager G-QRP Club
>
> Do you Yahoo? My Messenger ID is G0BPS
>
> All mail from me is checked by Norton
> before posting and is (hopefully) Virus Free.
>
> ----- Original Message -----
> From: "John J. McDonough" <wb8rcr@arrl.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, April 23, 2003 10:08 PM
> Subject: Dayton
>
>
> > OK, Elecraft has said where they are going to be at Dayton (besides, I'm
> > sure we'll see them at vendor night). But what about others? I haven't
> > seen a listing of vendor slots anywhere. Where will the folks we know
and
> > love be hiding in that big mess? Folks like:
> >
> > Baggy Bob
> > Circuit Specialists
> > Debco
> > LDG
> > Mendelson's
> > RF Parts
> > et cetera, et cetera, et cetera
> >
> > Of course, I'm assuming that if the hard-core QRP guys are there, they
> will
> > be at the dreaded Ramada Inn. I guess we've already heard from Kanga
and
> > Flying Pigs, and it would be a huge surprise if the clubs, NJQRP, G-QRP,
> > NoGa, etc. didn't show. But will these folks be there at all?
> >
> > Small Wonder Labs
> > Wilderness Radio

> > Morse Express
> > Embedded Research
> >
> > Inquiring minds want to know.
> >
> > 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> > didileydadidah QRP-L #1446 Code Warriors #35
> >
> >
> >
> >
>
>

Date: Wed, 23 Apr 2003 19:36:14 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: wb8rcr@arrl.net, qrp-l@Lehigh.EDU
Subject: [149486] Re: Dayton
Message-ID: <200304232333.h3NNXb2P013358@hagus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Kanga will be at Dayton and FDIM. I will have 2 booths (#41 and 42) in the main arena. I hope everyone will drop by!.

I'll also be at Vendor's Night at FDIM

Products will include:

DK9SQ masts and antennas

KK7B kits (R2Pro, etc)

W7Z0I kits (Spectrum Analyzer, Power Meter)

Embedded Research Kits (TiCK Keyers)

ARRL Books

And possibly something new in the way of a new line of products. We will see if I have time to pull it together before May 15!! Stay Tuned!

73 - Bill - N8ET

Kanga US

kanga@bright.net

<http://www.bright.net/~kanga/>

419-423-4604

Date: Wed, 23 Apr 2003 19:27:47 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <carlseye@tampabay.rr.com>, <qrp-1@lehigh.edu>
Subject: [149487] Re: Dayton
Message-ID: <006601c30a09\$1979c520\$15493b41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang-

Carl speaks truth- I will not make it this year.

I'm thankful that my products are so popular- there is indeed about a 1-month delay in fulfilling many orders. I could set kits aside for sale at Dayton- at the expense of the good folks who're already waiting patiently for their merchandise. If nothing else, Dayton takes 5-6 days including travel- a major commitment. That means that when I leave here 30 days behind, I return.... 35-36 days behind. That's not a feeling I enjoy!

I curenly have an employee working the ongoing wave of RockMite orders, and that helps. In the background, meanwhile, the wheels are turning on the DSW-II and I don't want to sabotage that effort with a road trip in the near future. As many of you probably know, I made 'Atlanticon' and 'Arkiecon' recently, and that pretty well exhausts my travel schedule until 'Lobstercon' in July. I'll be at Dayton in spirit, if not in person, and I'll look forward to seeing many of you at Dayton next year.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

>>-----Original Message-----

From: carl seyersdahl <carlseye@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

I don't know about the others, but I believe Dave , small wonders labs.) has already mentioned that he won't be there due to the fact that he has a 30 day backlog of orders and "people do get impatient" FWIF<<

Date: Wed, 23 Apr 2003 19:56:59 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [149488] Preliminary 'DSWMULTI' project hardware interface schematic is up...
Message-ID: <BAY1-F96hxvzSoBJHsx0000a4b0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

While not complete, the 'DSWMULTI' project interface schematic is indicative of what I'm planning to do as regards turning Dave's DSW(-II)-X0 rigs into multi-mode devices.

The software to make it go, on the other hand, is still ricocheting around in the vast emptiness which was once my mind...

box...there's a box?
73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Wed, 23 Apr 2003 20:02:07 -0400
From: "WQ8Q" <wq8q@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [149489] Re: QRP Stuff for Sale
Message-ID: <001a01c309f4\$bf7e46e0\$190f4a43@ricktyle>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Everything sold except the TenTec 1340 . . . still available . . .

73 de Rick, WQ8Q

----- Original Message -----

From: "WQ8Q" <wq8q@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, April 23, 2003 2:13 PM

Subject: QRP Stuff for Sale

> Gotta start getting rid of the excess stuff. So:

>

> For Sale

>

> 1.Heathkit HW-9 Almost Complete Station (No Speaker)

> HW-9 With WARC band upgrade. (New Finals: maxes out at 8-9 watts)

> PSA-9 Heathkit AC Power Supply

> HM-9 Wattmeter

> HFT-9 Antenna Tuner

> I really don't want to separate the HW9 stuff, as I'd just rather pack them

> all up together and make one trip down to UPS.

> \$375 Shipped CONUS MoneyOrder/Paypal OK

>

>

> 2. TenTec 1340 built/aligned, manual, works fine. \$ 75 shipped CONUS.

>

> 3. TenTec 1320 built/aligned, manual, works fine. \$ 75 shipped Conus.

>

> 4. TenTec 1330 30M. Unbuilt. Here's the caveat: I separated all the parts

> into small coin envelopes to make building easier. Never got around to it.

> So everything is new and sorted and will not be in the original TenTec Box.

> Manual. \$75 shipped Conus. No charge for the sorting :-)

>

> I can send pictures, if requested.

>

> 73 de Rick, WQ8Q (ARRL;RSGB;FISTS;QCWA)

>

>

>

>

Date: Wed, 23 Apr 2003 20:19:14 -0400

From: "Bill Phillips" <bill1048@direcway.com>

To: <qrp-1@lehigh.edu>

Subject: [149490] Re: Dayton
Message-ID: <000c01c309f7\$2d5bf840\$0143030a@D9QT1K21>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Actually, FDI~~M~~ is shaping up to be another winner this year. Usually about half the exhibitors let us know in advance that they are coming, but so far the list includes Elecraft, ICOM (showing the new IC703 qrp xceiver), Kanga US, SGC, Palm Radio, W3FF (portable antenna system), RASON, NoGA, G-QRP, Flying Pigs, and the QRP ARCI Toy Store. We'll update the list in early May, but vendors and clubs are encouraged to show up whether or not they're on it.

Bill AD6JV
Vendor Night Chairman

----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 23, 2003 5:08 PM
Subject: Dayton

> OK, Elecraft has said where they are going to be at Dayton (besides, I'm
> sure we'll see them at vendor night). But what about others? I haven't
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> LDG
> Mendelson's
> RF Parts
> et cetera, et cetera, et cetera

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> be at the dreaded Ramada Inn. I guess we've already heard from Kanga and
> Flying Pigs, and it would be a huge surprise if the clubs, NJQRP, G-QRP,
> NoGA, etc. didn't show. But will these folks be there at all?

>

> Small Wonder Labs
> Wilderness Radio
> Morse Express
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>
> Inquiring minds want to know.
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>

Date: Wed, 23 Apr 2003 20:25:54 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [149491] NEQRP CW Net, Thursday, 24 Apr 03, 08:30 PM EDT, 3.568 MHz
Message-ID: <3EA72F12.DA4B2EAF@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 24 April 2003, at 8:30 PM EDT (00:30Z, 25 Apr 03) on or near 3.568 MHz. All hams are welcome. Net control operator will be John, K1RC, operating from Dracut, MA.

John was also net control operator last week and reported:

"I had a very high (S-9+) local line noise during the net, but it had subsided midway thru and everyone was 599.

Thanks to the following stations for checking in and making it another successful session:

WA8BXN	Paul	nr Cleveland OH	599 K2/Dipole
WB1HBE	John	Chelmsford, MA	599
WA1CFX	Howard	Jamaica Plain MA	589
AB1AV	Bill	Hollis NH	599 2W/Endfed Wire
N1CUU/3	Carl	Gettysburg PA	599 Patcomm/Window
NS1E	Jim	Henniker NH	599 1W/Doublet
W2BVH	Lenny	Cranford NJ	599 K2 @ 5W.

Net Control: K1RC, John, Dracut MA 5W/Zepp @ 70ft"

Please stop by again this Thursday and say hello to John and everyone on the net.

72 DE K1CL,
Chuck

Date: Wed, 23 Apr 2003 20:25:10 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "njqrp" <njqrp@njqrp.org>
Cc: "qrpl" <qrpl@lehigh.edu>
Subject: [149492] NJQRP Mtg/QTTF this Saturday
Message-ID: <000f01c309f8\$10869260\$c42f67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Several of our prominent contest operator members have suggested a different kind of meeting this month. We will have basically an outdoor social get-together followed by a hands-on demo by John, W2AGN and Ken, N2CQ showing jut how you can set up a portable operation for QRP To The Field.

The venue this time is a tad different as well. Following the ghost town them for this year's QTTF, we will be assembling at Batso near Hammonton, NJ in New Jersey's famous Wharton Tract. And while Batsto is a state-run restored village, there are several other ghost towns in the area as well. Quaker Bridge and Washington (one of a scad of locations called Washington in the Garden State) come to mind immediately.

Batsto village has a convenient picnic area at the rear of the main parking lot and John has gotten clearance for the activity. Batsto is located off Rt 562 kinda Southeast of Hammonton, NJ. Believe it or not it *is* on most road maps!

All are encouraged to enjoy the historic outdoor setting and hobnob with our operating experts. QTTF starts at (I believe 11 am) so

you can show up at the usual meeting time of 9 to 9:30 if you want to socialize and to assist with setups or bring your own and we will help you get going. Kean and John will be operating under the club call WQ2RP. Others are encouraged to bring their own equipment and antennas as well. You don't have to be a big time contest operator to enjoy the low-key QRP contests, particularly the field efforts.

While the weather forecast calls for the possibility of rain that can't totally dampen our enthusiasm. John suggests bringing large picnic umbrellas or other protection. Come on out and get you feet wet (errr.... join in) with this fun operating event.

72/73,

Joe E., N2CX

Date: Wed, 23 Apr 2003 21:14:36 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: qrp-l@lehigh.edu
Subject: [149493] Re: Dayton
Message-ID: <3EA73A7C.7010103@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

NoGA will be there with banners flying....!!

Pickett, AD4S

<http://www.nogaqrp.org>

Date: Wed, 23 Apr 2003 19:30:29 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [149494] cinch-jones connector
Message-ID: <000701c30a09\$7977bea0\$bd811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Gang, After a recent purchase of a Yaesu FT7, I am looking for the power cable connector for it. It is a cinch-jones S-306 female socket and has # 1 position offset with respect to the other positions which are inline . It is a series300 socket,and smaller than the normal size. Thanks, John
KF70M

Date: Wed, 23 Apr 2003 19:59:59 -0700 (PDT)
From: KC8WBK <cruisenewsnet@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [149495] PSK Emergency Beacon with GPS interface
Message-ID: <20030424025959.10503.qmail@web20914.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

PSK Emergency Beacon with GPS interface, project
concept

PSK transmitter which connects to a GPS unit and transmits an SOS signal with the latitude and longitude from GPS NMEA output.
Names, vehicle registration, ham callsign, or other information programmed into memory.
Low power usage.
Transmit as a beacon on a selected ham PSK band.
Used only in emergencies.
Connect simple dipole antenna, connect GPS unit, and install battery to begin transmitting SOS signal.
Weatherproof construction.
Possible selection of text describing nature of emergency?

Does anyone know if there is a project or product like this? The intent is to create something like a low cost EPIRB unit.

Does this concept have any merit for actual emergency situations?

Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo
<http://search.yahoo.com>

Date: Wed, 23 Apr 2003 23:07:59 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149496] White Mountain Weight
Message-ID: <3EA7550F.621F88F7@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

Anyone out there with the weight of a WM transceiver in the supplied enclosure? I'm trying to compile a comparative chart for all, and my WM-20 has a non-standard (and heavy) containment.

Please send off-list. I'll post the comparison chart to the list once it's complete.

73
Ken KG4FGC

Date: Wed, 23 Apr 2003 21:11:11 -0700
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [149497] K2 DSP
Message-ID: <000501c30a17\$8af455e0\$2c8c2640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone know if Elecraft has DSP in the works for the K2? The same question has gone unanswered by those folks. I may be way down on their list after modifying my K2 as I have or perhaps they are just too busy to answer the same question over and over. 73
Dave K2ZU

Date: Thu, 24 Apr 2003 00:27:37 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "W2IOL" <w2iol@arrl.net>, <rohre@arlut.utexas.edu>
Subject: [149498] RE: 75 ohm balanced line, any interest in that ?
Message-ID: <001501c30a19\$d681d940\$c051ad41@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi, Stuart,

G3TUX lists 75 ohm twinlead @ =A30.30/meter.

<http://www.g3tux.co.uk/>

There are no doubt other sources.

I would be interested in what you find.

I have plans to use 75 ohm twinlead for
matching stubs and transmission lines.
75 ohm stubs would be physically longer
and maybe more forgiving to trim than 300 ohm.
It's something on want-to-try list.

I have a few feet of the tiny receiver
grade of 75 ohm twinlead, but no=20
transmitter grade. I've thought of
making my own twisted pair line=20
from some Teflon insulated wire I have. =20
Calculations indicate the impedance=20
would come out in the 70 to 100 ohm range.
I need to find my 'round-to-its
- after I finish the xyl's list.

Cheers, 73,

Ron McConnell
w2iol

Date: Wed, 23 Apr 2003 23:54:10 -0400
From: Brian Short <bshort4@cox.net>
To: Low Discussion <qrp-l@Lehigh.EDU>
Subject: [149499] Where to Get Small Coaxial Power Cables like FT-817?
Message-ID: <67D891F1-7608-11D7-9C22-00306543B616@cox.net>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Potentially Dumb Question:

Where to Get Small Coaxial Power Cables like FT-817?

What is the source of small coaxial power connector cables like that
on the FT-817, for example?

--

See my web page: <http://www.k7on.com>

Date: Wed, 23 Apr 2003 21:15:41 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [149500] Iowa QRP Club Cw Net
Message-ID: <20030424.062410.-655665.3.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tonight was a tough one to have a net. We have a storm front moving into
Iowa and the QRN is pretty bad. We did have three brave checker-inners,
though, and we appreciate their efforts.

WA8BXN, Mike, checked in from the Cleveland area. He was using his K2
and running 5 watts to a dipole and doing a great job. RST 579 in
between the thunder crashes, Mike. We're sending you some warmer
weather, so hold on a bit longer...hi.

WA3WAW, Bert, checked in from SW Pennsylvania. Bert was running five
watts with his Argonaut.

WN4M also checked in, but was gone when I got back to him for comments so
I didn't get his name and QTH. Check in again next week...maybe the sky
will be clear and signals more readable. You are always welcome.

Had an email from AA1MY, Seab after the net. He got there late and couldn't find anybody. I had to tell him we shut down early because of the noise

We also had to start the net a little higher because someone was on 7.112. I hope that didn't confuse any of you, but thanks to all that tried to find us and couldn't.

Next week, same time and the same (approximate) place. Come and join in

72 Mark KQ0I
Des Moines, Iowa

Date: Thu, 24 Apr 2003 05:27:03 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [149501] Re: PSK Emergency Beacon with GPS interface
Message-ID: <003901c30a54\$6e40b190\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Sounds like APRS, except on HF(?).

73 de Dave NK0E

Date: Thu, 24 Apr 2003 08:41:31 -0400
From: Alex <kr1st@amsat.org>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149502] Re: Why a Tuner?
Message-ID: <3EA7DB7B.7F65D845@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bruce Muscolino wrote:

> On another note there is an advantage to a 300 watt tuner
> over a 15 watt one the LOSS is lower!

And you don't fry it when you accidently tune up at full power with your 100W rig. :)

73,
--Alex KR1ST

Date: Thu, 24 Apr 2003 08:42:26 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: cruisenewsnet@yahoo.com, qrp-1@Lehigh.EDU
Subject: [149503] Re: PSK Emergency Beacon with GPS interface
Message-ID: <BAY4-F12z1enAqpfkNs00018b1b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Isn't there some things about sending SOS or something like that with very distinct [FCC] ideas about what is defined as an emergency? It looks like Part 97 gives some latitude but not sure on the ramifications.

It does sound like a good idea for GPS location etc that could be picked up in PSK exchange. Similar to what APRS is to packet.

73 oo
Chuck AA8VS/M

```
SELECT * FROM users WHERE clue = TRUE;  
    0 rows returned
```

Ahhh, just as I suspected, they are clueless!

<http://68.43.100.7:81/aa8vs>

```
>From: KC8WBK <cruisenewsnet@yahoo.com>  
>Reply-To: cruisenewsnet@yahoo.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: PSK Emergency Beacon with GPS interface  
>Date: Wed, 23 Apr 2003 19:59:59 -0700 (PDT)  
>  
>PSK Emergency Beacon with GPS interface, project  
>concept  
>  
>PSK transmitter which connects to a GPS unit and  
>transmits an SOS signal with the latitude and
```

>longitude from GPS NMEA output.
>Names, vehicle registration, ham callsign, or other
>information programmed into memory.
>Low power usage.
>Transmit as a beacon on a selected ham PSK band.
>Used only in emergencies.
>Connect simple dipole antenna, connect GPS unit, and
>install battery to begin transmitting SOS signal.
>Weatherproof construction.
>Possible selection of text describing nature of
>emergency?
>
>Does anyone know if there is a project or product like
>this? The intent is to create something like a low
>cost EPIRB unit.
>
>Does this concept have any merit for actual emergency
>situations?
>
>
>
>
>
>
>

>Do you Yahoo!?
>The New Yahoo! Search - Faster. Easier. Bingo
><http://search.yahoo.com>

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Thu, 24 Apr 2003 09:12:41 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: k2zu@seanet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149504] Re: K2 DSP
Message-ID: <3EA7E2C9.10303@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Dave Martin wrote:

>Does anyone know if Elecraft has DSP in the works for the K2? The same
>question has gone unanswered by those folks.

>

>

With regard to DSP for a K2, you might want to check this out.

<http://www.sgcworld.com/news/ADSP2Introduction.html>

SGC is selling a very small DSP board and they have instructions for installing it in a K2.

I have no personal experience with it, but specs lead on to think it would be a neat addition.

Instructions for 817 and other rigs as well.

Ed Lawson
K1VP

Date: Thu, 24 Apr 2003 15:16:33 +0200 (CEST)
From: "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
To: qrp-1@Lehigh.EDU
Subject: [149505] FS: ATX Walkabout 6-80 m NEW!!
Message-ID: <20030424131633.92910.qmail@web20007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hello,
I have a ATX Walkabout for the FT-817 (BNC Conector)
for SALE or
TRADE. Its still in the bag from the factory. NEVER
USED Before. Its
ideal for this transceiver. I have my own one so this
one needs to go
(I bought 5).

If you are thinking to buy one let me know, because
this is
COMPLETELY NEW.

Trade for QRP stuff is welcome.

Yahoo! Messenger - Nueva versi n GRATIS
Super Webcam, voz, caritas animadas, y m s...
<http://messenger.yahoo.es>

Date: Thu, 24 Apr 2003 09:24:49 -0400
From: Steve.Lawrence@ITWFEG.COM
To: k2zu@seanet.com
Cc: qrp-1@Lehigh.EDU
Subject: [149506] Re: K2 DSP
Message-ID: <OFD6584CA2.112F0578-0N85256D12.00493A95-85256D12.0049AEEA@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

There have been several reports of non-Elecraft DSP add-ons. For example, Lyle KK7P, is testing his own design which looks very promising, nicely integrated, and relatively low power budget:
<http://www.fidalgo.net/~wa7gxd/kdsp2.html>

And several have reported working on adapting this commercial design:
<http://www.sgcworld.com/news/ADSP2Brochure.pdf>

Meanwhile, Elecraft has been silent as far as I've heard.
73,
Steve
aa8af

"Dave Martin" <k2zu@seanet.com>
Sent by: owner-qrp-1@Lehigh.EDU
04/24/2003 12:11 AM
Please respond to k2zu

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: K2 DSP

Does anyone know if Elecraft has DSP in the works for the K2? The same question has gone unanswered by those folks. I may be way down on their list after modifying my K2 as I have or perhaps they are just too busy to

answer the same question over and over. 73
Dave K2ZU

Date: Thu, 24 Apr 2003 09:39:12 -0400
From: "AI2Q" <ai2q@adelphia.net>
To: <w6toy@erols.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [149507] RE: Why a Tuner?
Message-ID: <000c01c30a66\$e494ba00\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I always look at a tuner as an extension of my transmitter's output network,
pure and simple. The same applies to the input network on a receiver.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Bruce Muscolino
Sent: Monday, April 21, 2003 4:46 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Why a Tuner?

Karl is correct if you are using a modern radio. I consider anything
manufactured after about 1970 to be a modern radio, especially all solid
state radios.....

Date: Thu, 24 Apr 2003 10:16:21 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149508] Re: Why a Tuner?
Message-ID: <3EA7F1B5.36933DBF@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

In all actuality, the use of the term "antenna tuner" is a misnomer. In fact it is an "antenna matching unit" i.e. as in the E. F. Johnson "Match Box".. An impedance matching unit not a tuner at all... A tuner would actually tune the antenna, like the screwdriver antenna has a motor tuner... to change the inductance.

Jerry
W3CDE

AI2Q wrote:

>
> I always look at a tuner as an extension of my transmitter's output network,
> pure and simple. The same applies to the input network on a receiver.
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Bruce Muscolino
> Sent: Monday, April 21, 2003 4:46 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Why a Tuner?
>
> Karl is correct if you are using a modern radio. I consider anything
> manufactured after about 1970 to be a modern radio, especially all solid
> state radios.....

Date: Thu, 24 Apr 2003 11:40:49 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: ai2q@adelphia.net, qrp-l@Lehigh.EDU
Subject: [149509] Why a Tuner? -- Think simple
Message-ID: <BAY4-F28qfC6TMXA7os00019fb3@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

If I remember the basics an idea antenna would be a 50 ohm impedance load depending on the type. There are a lot of factors, vertical, ground plane

angle, etc. But for now bear with me folks.

The radio would like to transmit all it's power out and when it sees a 50 ohm impedance it can do that and obtain maximum power transfer. The same happens on receive to, you can hear the receiver sound better when the load is matched you can hear more stuff.

When I tune a loop is listen for maximum noise from radio on receive and this gives me a jumping off point to tune the transmitter.

What we call a tuner is an impedance matching device [think transformer]. Whose input [from radio] is 50 ohms and is matched to allow power transfer to it's output side. If I remember right the vertical with a 45 degree angled ground plane is around 35 ohms...

So the radio is looking at a 50 ohm output load and life is good. The power is transferred to the antenna via the impedance matching network and at no time have we actually changed the antenna itself, nor do our hands leave our wrists. It is not magic, but a matching network.

The inefficient antenna is still the same inefficient antenna it was. The radio is not aware of this condition actual condition and only goes by what it thinks it sees.

While this is over simplified, it is how I understand the way of things.

73 oo
Chuck AA8VS/M
Fp #113

>From: "AI2Q" <ai2q@adelphia.net>
>Reply-To: <ai2q@adelphia.net>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: RE: Why a Tuner?
>Date: Thu, 24 Apr 2003 09:39:12 -0400
>
>I always look at a tuner as an extension of my transmitter's output
>network,
>pure and simple. The same applies to the input network on a receiver.
>
>Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.
>
>-----Original Message-----
>From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
>Bruce Muscolino
>Sent: Monday, April 21, 2003 4:46 PM
>To: Low Power Amateur Radio Discussion

>Subject: Re: Why a Tuner?

>

>

>

>Karl is correct if you are using a modern radio. I consider anything
>manufactured after about 1970 to be a modern radio, especially all solid
>state radios.....

>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Thu, 24 Apr 2003 10:48:23 -0500
From: John Seboldt <k0jd-1@seboldt.net>
To: qrp-1@lehigh.edu
Subject: [149510] Re: High Voltage Warning
Message-ID: <5.1.0.14.0.20030424104155.00a631f0@seboldt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Had nasty garage wiring in the place we moved into 4 years ago - a buried piece of straight Romex, not the kind designed for burial, and no ground attached! On top of that, it came in to a box without a clamp, and the hot wire was frayed and brushing against the edge of the hole. Phew! Rented a Ditch Witch, dug in a new piece of wire (2 circuits while I was at it), got all up to snuff. Other oddity was a 30 amp circuit breaker on a refrigerator line - fed to #10 wire, but then just terminated in a regular 15-amp AC outlet, and the two fridges we inherited from him were merrily plugged in. Another circuit went right in immediately on that one.

In my previous place, there were new additions made with all green wire!

John K0JD
Milwaukee

Date: Thu, 24 Apr 2003 11:29:29 -0500
From: Dave Hottell <hottell@gulftel.com>
To: jerrylofstead@bellsouth.net,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [149511] Re: Why a Tuner?
Message-ID: <3.0.6.32.20030424112929.00907790@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jerry,

Actually the term "antenna tuner" is correct. As explained in Walt Maxwell's book "Reflections", when a conjugate match is created at the tuner end of a feedline, a match is also automatically created at the antenna end. This occurs because the impedance transformation by the feedline is the same going both directions.

This means that, save for losses in the feedline, when a one-to-one match is achieved at the xmit end, the impedance presented to the antenna by the feedline is the conjugate of the antenna impedance. Hence the antenna is tuned, at least as much as possible given the real feedline losses. Maximum power transfer to/from the antenna is obtained on both tx/rx.

There was a big discussion of this on the list about a year ago. I can look up the tread name if you want to review it.

A good way to check this out is to review it using a Smith Chart.

A practical way to check it is to simply tune your tuner while on rx. Where does the increase in signal come from? From a better match, i.e. "tuning", the antenna as you twist the knobs.

73 de Dave
ab9ca

At 10:16 AM 4/24/03 -0400, Jerry Lofstead wrote:

>
>
>In all actuality, the use of the term "antenna tuner" is a
>misnomer. In fact it is an "antenna matching unit" i.e. as
>in the E. F. Johnson "Match Box".. An impedance matching unit
>not a tuner at all... A tuner would actually tune the
>antenna, like the screwdriver antenna has a motor tuner... to
>change the inductance.
>
>
>Jerry
>W3CDE
>

>
>AI2Q wrote:
>>
>> I always look at a tuner as an extension of my transmitter's output
network,
>> pure and simple. The same applies to the input network on a receiver.
>>
>> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.
>>
>> -----Original Message-----
>> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
>> Bruce Muscolino
>> Sent: Monday, April 21, 2003 4:46 PM
>> To: Low Power Amateur Radio Discussion
>> Subject: Re: Why a Tuner?
>>
>> Karl is correct if you are using a modern radio. I consider anything
>> manufactured after about 1970 to be a modern radio, especially all solid
>> state radios.....
>
>

Date: Thu, 24 Apr 2003 13:04:10 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <bshort4@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [149512] Re: Where to Get Small Coaxial Power Cables like FT-817?
Message-ID: <003701c30a83\$8bb9a9a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Potentially Dumb Question:
>
> Where to Get Small Coaxial Power Cables like FT-817?
>
> What is the source of small coaxial power connector cables like that
> on the FT-817, for example?

Isn't that connector available at Radio Shack?

Mike

Date: Thu, 24 Apr 2003 13:10:02 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [149513] Re: Why a Tuner?
Message-ID: <007a01c30a84\$59aee1e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

> On another note there is an advantage to a 300 watt tuner
> over a 15 watt one the LOSS is lower!

While 'generally' true, the converse can also be true. Granted,
most high power' tuners would have lower loss when operated at
low power, there really isn't anything that makes that 'generically'
true.

In fact, if you're building a low power tuner you could probably get
'overspec' parts that would end up having lower loss much cheaper
than the high power tuner.

But, it's an unfortunate fact of life that most of the commercial
'low power' tuners are actually 'cheap' tuners as well...

Mike

Date: Thu, 24 Apr 2003 10:16:05 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [149514] Yaesu FT7
Message-ID: <000501c30a85\$312ac300\$36811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gents, I am looking for the cinch-jones S-306-cct power cable socket for
the FT7, it has 6 positions, 5 inline and 1 end position that is 180 deg.
offset. The 300 series is smaller than the normal size 2400 series plugs and
is alittle over 1" wide...thanks, John KF70M

Date: Thu, 24 Apr 2003 14:06:58 -0400
From: Jerry Lofstead <w3cde@bellsouth.net>
To: hottell@gulftel.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [149515] Re: Why a Tuner?
Message-ID: <3EA827C2.BB847DD@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

That is exactly what I said it is a "matching network" not an antenna tuner. TO tune an antenna, you would physically change the radiating element. When matching the antennas impedance to the source impedance, you use an impedance matching network. This is exactly what Walt says. I have and use both of Walt's books. Walt also reinforces the thought that a 1:1 SWR is not always useful, as indicated in his antenna designs for satellites antennas which had very high SWR to get the needed bandwidth. He used a matching network not an antenna tuner to get the antennas to perform to spec.

Oh yes I do recall the previous discussion...

Jerry

Dave Hottell wrote:

>
> Jerry,
>
> Actually the term "antenna tuner" is correct. As explained in Walt
> Maxwell's book "Reflections", when a conjugate match is created at the
> tuner end of a feedline, a match is also automatically created at the
> antenna end. This occurs because the impedance transformation by the
> feedline is the same going both directions.
>
> This means that, save for losses in the feedline, when a one-to-one match
> is achieved at the xmit end, the impedance presented to the antenna by the
> feedline is the conjugate of the antenna impedance. Hence the antenna is
> tuned, at least as much as possible given the real feedline losses.

> Maximum power transfer to/from the antenna is obtained on both tx/rx.
>
> There was a big discussion of this on the list about a year ago. I can
> look up the tread name if you want to review it.
>
> A good way to check this out is to review it using a Smith Chart.
>
> A practical way to check it is to simply tune your tuner while on rx.
> Where does the increase in signal come from? From a better match, i.e.
> "tuning", the antenna as you twist the knobs.
>
> 73 de Dave
> ab9ca
>

Date: Thu, 24 Apr 2003 14:07:25 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [149516] QRPTTF 2003 Plans K4JSI
Message-ID: <000301c30a8c\$5cbec050\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I plan to operate in QRPTTF 2003 from the vicinity of Matildaville, VA, and the remains of locks that were a part of the Potowmack Canal. These locks were built to bypass the Great Falls of the Potomac, a few miles to the west of Washington, DC. The Potowmack Company was founded in 1785, and its first Chief Executive Officer was George Washington. The canal operated until

1828 or 1830. It was an early initiative to open the route between the Atlantic coast and inland settlements. Matildaville was a town at the locks, named for the wife of "Light Horse" Harry Lee, a general in our revolutionary war.

I'll be operating from Great Falls Park under my call, K4JSI. Unfortunately, rain and fog are forecast for Saturday around here.

72/73

Cal K4JSI

Date: Thu, 24 Apr 2003 14:24:40 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [149517] RE: 75 ohm balanced line, any interest in that ?
Message-ID: <3.0.6.32.20030424142440.007a86c0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I bought some 75 ohm "window" twin lead from the Wireman when they used to come to the Hosstraders hamfest in Rochester, NH a couple of years ago. They probably still have it available.

I used it to feed a 44 or 88 ft doublet in the field. May not be as ideal as 450 window line or *real* ladder line, but its more compact and less apt to get tangled or snagged in the brush. The BLT tuner had no trouble giving it a match on 20/40 and seemed to get out just fine. (of course, subjective results with no A/B comparisons are suspect, YMMV)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 24 Apr 2003 14:45:57 -0400
From: Steve.Lawrence@ITWFEG.COM
To: kd1jv@moose.ncia.net
Cc: qrp-l@Lehigh.EDU
Subject: [149518] RE: 75 ohm balanced line, any interest in that ?
Message-ID: <0FAD0165B8.E28A20DC-ON85256D12.00666EBE-85256D12.00671548@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Unfortunately, I don't see it listed on their web site:

<http://www.thewireman.com/>

Also checked Davis RF:

<http://www.davisrf.com/>

without any luck.

To the group: Why would 75 ohm twinlead have any electrical advantage over 450 or 300 ohm twinlead? Sure, it would be lighter for portable use and would essentially match the impedance of a single band dipole correctly cut, but what other advantages exist -- if any?? Why did this

stuff 'fade from the planet'?? I've read about it since the 60's when first licensed.... but have never seen it!

It's a slow afternoon in the office... enquiring minds want to know!

73,
Steve

Steven Weber <kd1jv@moose.ncia.net>
Sent by: owner-qrp-l@Lehigh.EDU
04/24/2003 02:24 PM
Please respond to kd1jv

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: RE: 75 ohm balanced line, any interest in that ?

I bought some 75 ohm "window" twin lead from the Wireman when they used to come to the Hosstraders hamfest in Rochester, NH a couple of years ago. They probably still have it available.

I used it to feed a 44 or 88 ft doublet in the field. May not be as ideal as 450 window line or *real* ladder line, but its more compact and less apt to get tangled or snagged in the brush. The BLT tuner had no trouble giving it a match on 20/40 and seemed to get out just fine. (of course, subjective results with no A/B comparisons are suspect, YMMV)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 24 Apr 2003 13:21:08 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: jerrylofstead@bellsouth.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [149519] Re: Why a Tuner?
Message-ID: <Pine.LNX.4.44.0304241159350.2796-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually Jerry your opening a large consideration if you cannot call the likes of E. F. Johnson Match Box an Antenna Tuner. My 88 foot dipole fed at the center with 450 ohm balanced line to a Match Box will tune my antenna to resonance at the frequency I'm using.

On Thu, 24 Apr 2003, Jerry Lofstead wrote:

>
>
> In all actuality, the use of the term "antenna tuner" is a
> misnomer. In fact it is an "antenna matching unit" i.e. as
> in the E. F. Johnson "Match Box".. An impedance matching unit
> not a tuner at all... A tuner would actually tune the
> antenna, like the screwdriver antenna has a motor tuner... to
> change the inductance.
>
>
> Jerry
> W3CDE
>
>
> AI2Q wrote:
> >
> > I always look at a tuner as an extension of my transmitter's output network,
> > pure and simple. The same applies to the input network on a receiver.
> >
> > Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.
> >
> > -----Original Message-----
> > From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> > Bruce Muscolino
> > Sent: Monday, April 21, 2003 4:46 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Why a Tuner?
> >
> > Karl is correct if you are using a modern radio. I consider anything
> > manufactured after about 1970 to be a modern radio, especially all solid
> > state radios.....
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 24 Apr 2003 15:49:12 -0400
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "N4S0" <N4S0@Juno.com>, "Norm Into" <normk8ni@neo.rr.com>,
"W3BG" <W3BG@arrl.net>, "NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [149520] [CONTEST] N2CQ QRP Contest Calendar April 24-30
Message-ID: <04de01c30a9a\$9885c210\$0b0a0a0a@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
April 24-30, 2003  
~~~~~

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ...QRP Category  
Apr 26 - 1300z to Apr 27 - 1300z  
Rules: [http://www.uska.ch/html/en/index\\_e.htm](http://www.uska.ch/html/en/index_e.htm)  
~~~~~

~~~~~  
QRP To The Field (CW) ...QRP Contest!!  
Apr 26 - 1500z - 2400z (Pick any 6 hours)  
Rules: <http://www.norcalqrp.com/>  
~~~~~

~~~~~  
Florida QSO Party (CW/Phone) ...QRP Category  
Apr 26 - 1600z to Apr 27 - 0159z and  
Apr 27 - 1200z to 2159z  
Rules: <http://www.qsl.net/fqp/>  
~~~~~

~~~~~  
Nebraska QSO Party (CW/SSB) ... QRP Category  
Apr 26 - 1700z to Apr 27 - 1700z  
Rules: <http://www.qsl.net/hdxa/neqso/index.htm>  
~~~~~

~~~~~  
Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "N2CQ QRP Contest Calendar" for your website,

newsletter, e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 24 Apr 2003 16:05:25 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [149521] modeling a slinky?  
Message-ID: <5.1.1.6.1.20030424160155.00a68de0@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

Maybe I'm just suffering from a mental block, but I can't see a way through this.

How would one model a continuously loaded antenna in EZNEC? Like, for example, a slinky dipole.

I expect one would probably have to "assume" things like even turns distribution, no droop, and other stuff that couldn't possibly happen in the real world, but how would you convince EZNEC it's one or two long coils and not just wires with loads in the middle?

Dave

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Thu, 24 Apr 2003 16:17:49 -0500  
From: KD5NWA <KD5NWA@cbayona.com>  
To: Qrp-l@lehigh.edu

Subject: [149522] 100K 10 Turn Pots  
Message-ID: <5.2.0.9.0.20030424161545.00a73b60@127.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Great item for QRP rig, a ten turn 100K pot, good for setting frequency.

Interest, other that share a neat item.

<<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=296&item=3018427988>>

Cecil  
KD5NWA

-----  
Date: Thu, 24 Apr 2003 14:23:48 -0700 (PDT)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Subject: [149523] Re: Why a Tuner?  
Message-ID: <20030424212348.45908.qmail@web14206.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I know that this is splitting hairs, but tunners do not tune, they match, so E.F. Johnson was right when they called it a "Match Box".

Off to western N.Y. so you all have fun till I get back. No radios this trip.

73, Bill kc4atu

-----  
Do you Yahoo!?  
The New Yahoo! Search - Faster. Easier. Bingo  
<http://search.yahoo.com>

-----  
Date: Thu, 24 Apr 2003 16:59:53 -0400  
From: "Paul Mills" <quahog@localnet.com>  
To: <QRP-L@Lehigh.EDU>  
Subject: [149524] Re: Why a Tuner?  
Message-ID: <003e01c30aa8\$d66606e0\$90449942@cybrinjn>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, April 24, 2003 3:21 PM  
Subject: Re: Why a Tuner?

>  
> Actually Jerry your opening a large consideration if you  
cannot call the  
> likes of E. F. Johnson Match Box an Antenna Tuner. My 88 foot  
dipole fed  
> at the center with 450 ohm balanced line to a Match Box will  
tune my  
> antenna to resonance at the frequency I'm using.

OK, I gotta jump in. Using only common sense and logic, I would  
make the following comments:

1. I am using also 88' dipole with homebrew ~600 ohm open wire  
line. I use open wire line to cut loss due to high SWR on the  
feedline caused by impedance mismatch between the antenna,  
feedline, and transmitter.
2. My 'antenna tuner' allows me to transform the impedance  
seen at the shack end of the feedline to a value that is near  
that of the output of the transmitter. My antenna is STILL not  
resonant, and there is high SWR on the feedline. When I try to  
tune up on the CW portion of 80M, I can sometimes hear that  
sizzling sound if the settings are way off.
3. My 'antenna tuner' could be called that if it were at the  
feedpoint of the dipole, not at the shack end of the feedline.  
I have a cap at the base of a 3/8 wave inverted L to balance out  
the reactance. THAT's an antenna tuner, right? Also I would  
like to try a full wave loop fed directly from an autotuner,  
with a coax feeder to the shack. That would be something near  
an antenna tuner, but not really?
4. I guess it's a matter of semantics in the end; antenna,  
feedline, tuner and transmitter tank are all parts of a system  
which we break into discrete components to better(?) understand  
it.

5. I've only been a ham for abt 2 1/2 years, but a several winter nights spent with the ARRL Antenna Book, Cebik's website, and a mug of hot chocolate (or peppermint schnapps) have rendered me an instant expert. ;^))

Paul KB1GEJ

-----  
Date: Thu, 24 Apr 2003 17:35:10 -0400  
From: "Mike Branca" <w3irz@att.net>  
To: <qrp-l@lehigh.edu>  
Subject: [149525] Re: Why a Tuner?  
Message-ID: <005b01c30aa9\$630aaa60\$f8f55b0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Boy, I love this. Who cares what we call it. Antenna tuners have been with us a long time. All the tuner does is supply the missing L & C that it takes to bring whatever we connect to the tuners output to a resonant situation so that it will take power. If one would connect a random longwire to the tuner then twirling the knobs will tune this antenna.

Mike Branca W3IRZ in Conyers Georgia

-----  
Date: Thu, 24 Apr 2003 17:44:09 -0400  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [149526] RE: Why a Tuner?  
Message-ID: <721D3436A7C2B344A301FD4A413C71A9BFCB1D@kosh.arrlhq.org>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Fine and good, but let's do keep in mind that when the "antenna" is = tuned, the SWR on the feed line between the antenna and tuner does not = change one bit. The antenna tuner is really an impedance matching = network that transforms whatever impedance is seen looking into the = antenna feed line to be 50 ohms.

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Dave Hottell [mailto:hottell@gulftel.com]

> Sent: Thursday, April 24, 2003 12:29 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Why a Tuner?

>=20

>=20

> Jerry,

>=20

> Actually the term "antenna tuner" is correct. As explained in Walt  
> Maxwell's book "Reflections", when a conjugate match is created at the  
> tuner end of a feedline, a match is also automatically created at the  
> antenna end. This occurs because the impedance transformation by the  
> feedline is the same going both directions.

>=20

> This means that, save for losses in the feedline, when a=20

> one-to-one match

> is achieved at the xmit end, the impedance presented to the=20

> antenna by the

> feedline is the conjugate of the antenna impedance. Hence=20

> the antenna is

> tuned, at least as much as possible given the real feedline losses.

> Maximum power transfer to/from the antenna is obtained on both tx/rx.

>=20

> There was a big discussion of this on the list about a year=20

> ago. I can

> look up the tread name if you want to review it.

>=20

> A good way to check this out is to review it using a Smith Chart. =20

>=20

> A practical way to check it is to simply tune your tuner while on rx.

> Where does the increase in signal come from? From a better=20

> match, i.e.

> "tuning", the antenna as you twist the knobs.

>=20

> 73 de Dave

> ab9ca

>=20

>=20



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>=20
>=20
> At 10:16 AM 4/24/03 -0400, Jerry Lofstead wrote:
> >
> >
> >In all actuality, the use of the term "antenna tuner" is a
> >misnomer. In fact it is an "antenna matching unit" i.e. as
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> >not a tuner at all... A tuner would actually tune the
> >antenna, like the screwdriver antenna has a motor tuner... to
> >change the inductance.
> >
> >
> >Jerry
> >W3CDE
> >
> >
> >AI2Q wrote:
> >>=20
> >> I always look at a tuner as an extension of my transmitter's output
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> >> pure and simple. The same applies to the input network on=20
> >> a receiver.
> >>=20
> >> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.
> >>=20
> >> -----Original Message-----
> >> From: owner-qrp-l@Lehigh.EDU=20
> >> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> >> Bruce Muscolino
> >> Sent: Monday, April 21, 2003 4:46 PM
> >> To: Low Power Amateur Radio Discussion
> >> Subject: Re: Why a Tuner?
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> >> Karl is correct if you are using a modern radio. I=20
> >> consider anything
> >> manufactured after about 1970 to be a modern radio,=20
> >> especially all solid
> >> state radios.....
> >
> >
>=20

```

```

-----
Date: Thu, 24 Apr 2003 17:14:56 -0500
From: "Doc - W5TB" <w5tb@arrl.net>
To: <w5yr@att.net>,

```

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [149527] Re: More QRPTTF Plans  
Message-ID: <00a501c30aae\$f0a46a00\$0400a8c0@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

W5TB will be active from Paris Texas while on monthly visit with mom =  
(80) and Dad (86) at the family homestead in Paris Texas.=20

Not a ghost town, but plenty of family skeletons in closets ;-)

will operate as time permits between visiting and chores. Will be using =  
K2 and testing the 'permanant' zepp I installed but didn't get a chance =  
to try on the last trip. around 44' fed with 300 ohm line - should work =  
much better than the dipole tossed into a friendly pecan tree during =  
visits for years. AND if it's raining I wont have to get wet during =  
setup and take down -- a defineite plus ;-)

Thnaks Norcal for this fun event!

72, 73, oo T.E. 'Doc' Drake, W5TB  
Arlington, Texas  
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617

-----  
Date: Thu, 24 Apr 2003 18:24:46 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [149528] Get on the Air 4/25  
Message-ID: <3EA8642E.81CB83EB@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang--

Friday is April 25th, and there are plenty of solid reasons for getting  
on the air. Like what?

Ok, it's Marconi's birthday (1874). Not good enough? Ok, famed radio  
broadcaster Edward R. Murrow (1908) was also born on this date.

Need to get a new antenna up first? Alrighty, use the inspiration of  
Meadowlark Lemon (1932) flying thru the air. Or the Spurs' magnificent  
Tim Duncan (1976) going up for a stuff.

But I have a personal reason: it's my bday (year is kept in a "secure and undisclosed location"), and it looks like I'll have some open time in the afternoon to kick back and send some rf into the ether. I'll fire up the White Mountain 20 for some QRP SSB fun, and will be hanging out around 14.280 from 20:00 utc onward, maybe for an hour or so. So if you're inspired get on the air.

73

Ken KG4FGC

-----  
Date: Thu, 24 Apr 2003 15:30:19 -0700  
From: "Ian Wilson" <ianmwilson@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [149529] Re: Why a Tuner?  
Message-ID: <000e01c30ab1\$1f24cb20\$0b02a8c0@WorkGroup>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It was pointed out earlier in this thread that tube rigs used to have pi networks because they had fairly high output impedances compared with typical feedline/antenna impedances in the 50-450ohm range.

Someone suggested that transistor power output stages were a better match for 50ohms, and that's why solid-state rigs all have 50ohm outputs and require an external impedance matching network to handle mismatched antenna/feedline combinations.

This isn't right, however. Consider a transistor final operating from 13.8v and capable of delivering 100w. For this to be possible, the output device must see a load R such that  $(V_{cc} \times V_{cc}) / 2R = 100w$ . Plugging in 13.8v for Vcc gives an effective R of  $(2 \times 100) / (13.8 \times 13.8) = 1.05$  ohm. To make the 50ohm load look like 1.05 ohm requires some kind of impedance-changing network; either a broadband transformer or something more narrowband like a Pi network (often used to reduce

harmonic emissions  
as well, owing to its low-pass nature).

Higher voltage supplies and push-pull operation help, of course.

de ian, k3imw/6

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End of QRP-L Digest 2900

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